Heavy Lift Pipelay Vessel

LTS 3000

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LTS 3000

**Principle Dimensions**

<table>
<thead>
<tr>
<th>Classification</th>
<th>ABS A1 (E) Pipelay / Heavy Lift Vessel AMS (DPS-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Length</td>
<td>160.70M</td>
</tr>
<tr>
<td>Breadth Moulded</td>
<td>37.8M</td>
</tr>
<tr>
<td>Depth to work deck, Moulded</td>
<td>15.0M</td>
</tr>
<tr>
<td>Depth to freeboard deck, Moulded</td>
<td>9.1M</td>
</tr>
<tr>
<td>Draft Designed</td>
<td>6.5M (max.), 4.0M (min.)</td>
</tr>
<tr>
<td>Main Deck Strength</td>
<td>10 tonne / m²</td>
</tr>
<tr>
<td>Free Deck Area</td>
<td>2000 m²</td>
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</tbody>
</table>

**Accommodation**

- 5 x 1 Berth Cabins with Day Room: 5 men
- 21 x 1 Berth Cabins: 22 men
- 22 x 2 Berth Cabins: 46 men
- 55 x 4 Berth Cabins: 216 men
- Total: 289 men

- Equipped with 2 Recreation Rooms, 1 Galley, 1 Prayer Room

**Pipe Handling Cranes (2 Nos.)**

- Fixed Pedestal Cranes: 2 each
- Maximum Lifting Capacity: 50MT @ 29m Rad.

**Main Crane**

- Main Hook Capacity: 2722MT @ 27m Rad.
- Aux. Hook Capacity: 725MT @ 53m Rad.
- Whip Hook Capacity: 100MT @ 95m Rad.
- Boom Length to Main Hook: 75m
- Boom Length to Auxiliary Hook: 85m
- Boom Length to Whip Hook: 95m

**Mooring System**

- 150T Mooring Winches: 10 nos.
- Mooring Anchors: 10 ea of 12.5MT Delta Flipper

**Pipe Size**

- 6” to 60” OD

**Pipelay Capabilities**

- Tension Capacity: 200MT (2 nos. x 100MT each)
- A & R Winch-Tension Capacity: 200MT
- Welding Stations: 6 nos.
- NDT Station: 1 no.
- Field Joint Stations: 2 nos.
- Davits: 6 nos. x 50MT
- Type of Stinger: Floating Truss 160ft long 1st Section, 60ft 2nd Section

**Tank Capacities**

- SWB/FW Tank (non-potable): 12465 m³
- FW Tank (Potable): 2942 m³
- F.O. Tank: 2334 Tonne
- Dirty Oil Tank: 50.29 m³
- Lube Oil Tank: 47 Tonne

**Pumps**

- Ballast Pump: 2 @ 360 m³/hr
- Anti Heeling Pump: 1 x 1800 m³/hr & 2 x 1400 m³/hr
- FO Transfer Pump: 2 @ 22.5 m³/hr
- Fresh Water Transfer Pump: 2 @ 35 m³/hr
- Sewage Discharge Pump: 1 x 10 m³/hr
- Sludge Oil Pump: 1 x 14.2 m³/hr
- Bilge Pump: 2 @ 35 m³/hr
- Fire & GS Pump: 1 @ 100 m³/hr & 3 @ 160 m³/hr
- Emergency Fire Pump: 1 @ 100 m³/hr

**Safety Equipment**

- 4 x 90 capacity Life Boat: 360
- Life Jackets: 200% coverage of the total maximum onboard
- Life Buoys: As per class & flag requirement
- Rescue Boat (FRC): 1 no. x 25 Hp Boat
- L/Boat (Rescue Boat): 2 nos.

**Radio Communications Equipment**

- SSB, DSC, Inmarsat C, VHF (GMDSS), GMDSS portable, Portable VHF, Air band VHF, UHF, Portable air bank VHF & Internet Line

**Helicopter Navigation System**

- Helideck Capable of Handling S61-N Sikorsky type helicopter
- Gyro-compass, Sat Com, V-SAT, Radars, Radar transponders, EPIRB Radio Beacons, SatNav system DGPS

**Machinery**

- Main Generators: 3 x 2600kW
- Emergency Diesel Generator: 1 x 1000kW
- Fresh Water Maker (RO): 60T/day with 1 standby
- Sewage Treatment Plant: 2 nos. for 330
- Air Compressors: Approx. 2000cfm @ 10 bar
- Machine Shop: 1 ea
** Owner reserves the rights to amend the specifications without notification.